



# Cat<sup>®</sup> 340 UHD

## Ultra High Demolition Hydraulic Excavator

**The Cat<sup>®</sup> 340 UHD provides optimum machine solutions for building demolition up to eight stories. With its unique coupling system, you can switch between two lengths of Ultra High Demolition fronts and two types of Retrofit booms and sticks with no special tools in 15 minutes. Where the real power comes in is through the hydraulic system. You can literally rip up and tear down structures all day long with a great deal of precision and control. And Caterpillar offers the best-in-class work tool capability – bigger and more versatile work tools for bigger and more demanding demolition applications. When you add in a quiet and comfortable tilting cab, easy-to-reach maintenance points, and legendary product support, you simply won't find a better 50-ton class choice for demolition. Take advantage of outstanding operating costs thanks to the new electro hydraulic pump and valves, plus longer life fuel, oil, and air filters.**

### Performance

- Two UHD front options: the 22 m (72' 2") front has a maximum weight at stick pin of 3.7 ton (8,159 lb) work tool and the 25 m (82' 0") front has a maximum weight at stick pin of 3.3 ton (7,277 lb) work tool.
- Swap to Retrofit boom in 15 minutes with no special tools required. Two-piece or one-piece Retrofit boom options provide versatility for either lower level demolition or truck loading. Three stick options include 3.9 m (12' 10"), 3.2 m (9' 6"), and 2.8 m (9' 2").
- Cat active stability monitoring system continuously informs operators of work tool position within the safe working range and warns when approaching the stability limit.
- Configure your sticks with either wedge-style or pin grabber coupler to maximize versatility and productivity.
- Hydraulically actuated variable gauge undercarriage provides outstanding stability extended to 4000 mm (13' 1") and retracted to 3000 mm (9' 10"). Transportation of the machine is simple.
- Standard rearview and right-hand sideview cameras give clear views on the monitor.
- The C9.3B engine can run on biodiesel up to B20 and meets EU Stage V, U.S. EPA Tier 4 Final, and Japan 2014 emission standards.
- Match the excavator to the job with three power modes – Power, Smart, and ECO. Smart mode automatically matches engine and hydraulic power to working requirements, providing maximum power when needed and reducing power when it isn't to help save fuel.
- The new high-efficiency hydraulic reversing fan cools the engine on demand to help reduce fuel consumption.
- Cat technologies increase operating efficiency to lower operator fatigue and your operating costs, including fuel consumption and daily maintenance.

Not all features available in all regions. Consult your Cat dealer for specific configurations available in your region.

### Operator Comfort

- Demolition cab with FOGS includes front and roof of P5A 10 mm (0.4") laminated glass.
- Tilt-up 30° for a more productive and comfortable sight line.
- The windshield and roof one-piece parallel wipers with three intermittent settings includes washer spray.
- Premium heated and cooled seat is standard.
- Get in and out of the cab easier using the tip-up left console.
- Advanced viscous mounts reduce cab vibration up to 50% over previous excavator models.
- Control the excavator comfortably with easy-to-reach controls, all located in front of you.
- UHD front is work tool camera ready for easy dealer-available kit installation and includes water spray system-ready wiring and hoses.
- Stow your gear with plenty of in-cab storage beneath and behind the seat, overhead, and in the consoles.
- Use the standard radio's USB ports and Bluetooth technology to connect personal devices and make hands-free calls.

### Simple Operation

- Start the engine with a push button; use a Bluetooth key fob, smartphone app, or the unique Operator ID function.
- Program each joystick button, including power mode, response, and pattern, using Operator ID; the machine will remember what you set each time you go to work.
- Automatic hydraulic oil warmup gets you to work faster in cold temperatures and helps prolong the life of components.
- Navigate quickly on the high-resolution 254 mm (10") touchscreen monitor or with the aid of the jog dial control.
- Not sure how a function works or how to maintain the excavator? Always have the operator's manual at your fingertips in the touchscreen monitor.



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## Efficiency and Productivity with Integrated Cat Technology

- Standard Cat Payload\* on-board weighing system for use with Retrofit booms achieves precise load targets and increases loading efficiency with on-the-go weighing and real-time estimates of your payload without swinging.
- Boost efficiency when using the Retrofit boom with standard Cat GRADE with 2D system\* versus traditional excavator technology.
- Know the excavator's exact position relative to GPS and GLONASS systems. The machine automatically compensates for excavator pitch and roll caused by sloping ground conditions.
- Standard Product Link™ provides location, machine hours, fuel usage, productivity, idle time, diagnostic codes, and other machine data on demand through VisionLink® online interface, helping you improve jobsite efficiency with lower operating costs.
- Remote Troubleshoot connects you to a dealer service professional to help solve your problem and quickly get you to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat App helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and even allows you to request service from your local Cat dealer.
- The Cat attachment locator can help you find tools, track work time, and plan maintenance and replacement – all through your Cat App-equipped smartphone.

\* Available 2021

## Maintenance

- Enjoy low maintenance cost due to extended service intervals.
- Check hydraulic system oil and easily drain fuel system water and fuel tank water from ground level.
- Track your excavator's filter life and maintenance intervals via the in-cab monitor.
- Change all fuel filters at a synchronized 1,000 hours. Oil and fuel filters are grouped and located on the right-hand side of the machine for easy maintenance.
- The engine air intake filter with precleaner has double the dust holding capacity of the previous air intake filter.
- The hydraulic oil filter provides improved filtration performance, anti-drain valves to keep oil clean when the filter is replaced, and long life with a 3,000-hour replacement interval – 50% longer than previous filter designs.
- S•O•S<sup>SM</sup> ports simplify maintenance and allow for quick, easy extraction of fluid samples for analysis.

## Safety

- Standard swing 2D E-Fence\* integrated right out of the factory prevents the excavator from moving outside of operator-defined setpoints with the Retrofit boom.
- The standard Stability Monitoring System provides operator-friendly interface with adjustable warning.
- A travel direction indicator helps operators know which way to activate the travel levers.
- Enjoy greater visibility in each swing direction with the help of smaller cab pillars and larger windows.
- A ground-level shutoff switch stops all fuel to the engine when activated and shuts down the machine.
- Rear and right-hand side cameras are standard.
- Serrated steps and an anti-skid punch plate on the service platform help prevent slipping.

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## Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
<b>CAB</b>			<b>UNDERCARRIAGE AND STRUCTURES (CONTINUED)</b>		
Tilt-up demolition cab with P5A 10 mm laminated front and roof glass	✓		Towing eye on base frame	✓	
FOGS guarding	✓		600 mm (24") HD double grouser track shoes		✓
High-resolution touchscreen monitor	✓		600 mm (24") HD triple grouser track shoes		✓
Premium heated and cooled automatically adjustable suspension seat	✓		700 mm (28") triple grouser track shoes		✓
Tilt-up left console for easy ingress/egress	✓		<b>BOOMS AND STICKS</b>		
Windshield and roof parallel wiper with intermittent settings	✓		25 m (82' 0") UHD front		✓
<b>ENGINE</b>			22 m (72' 2") UHD front		✓
Three selectable modes: Power, Smart, ECO	✓		2-piece Retrofit variable adjustment boom*		✓
Automatic engine speed control	✓		7.4 m (24' 3") Retrofit boom		✓
52° C (126° F) high-ambient cooling	✓		3.9 m (12' 10") Retrofit stick		✓
-18° C (0° F) cold start capability	✓		3.2 m (9' 6") Retrofit stick		✓
-32° C (-25° F) cold start capability		✓	2.8 m (9' 2") Retrofit stick		✓
Cold start block heaters		✓	Advanced tool control, UHD	✓	
Ether starting aid		✓	<b>ELECTRICAL SYSTEM</b>		
Double element air filter with integrated precleaner	✓		Maintenance-free 1,000 CCA batteries (x 4)	✓	
Remote disable	✓		Centralized electrical disconnect switch	✓	
<b>HYDRAULIC SYSTEM</b>			LED lights	✓	
Boom lowering check valve (BLCV) for UHD front	✓		<b>CAT TECHNOLOGY</b>		
Stick lowering check valve (SLCV) for UHD front	✓		Cat Product Link	✓	
SmartBoom™ with BLCV and overload warning device for UHD front		✓	Stability monitoring system for UHD	✓	
Boom and stick regeneration circuit	✓		Electronic pitch and roll indicator	✓	
Electronic main control valve	✓		Swing E-Fence for UHD*	✓	
Automatic hydraulic oil warmup	✓		Travel direction indicator	✓	
Automatic swing parking brake	✓		Operator coaching	✓	
High performance hydraulic return filter	✓		Electronic joystick pattern changer	✓	
Two-speed travel	✓		Remote services capability	✓	
Hydraulic reversing fan	✓		<b>CAT TECHNOLOGY – RETROFIT BOOM*</b>		
Bio hydraulics oil capability	✓		Cat Grade with 2D	✓	
Combined two-way auxiliary circuit	✓		Cat Payload	✓	
High and medium-pressure auxiliary circuits	✓		E-Fence (body avoidance/ceiling/floor/wall)	✓	
Quick coupler circuit	✓		<b>SERVICE AND MAINTENANCE</b>		
<b>UNDERCARRIAGE AND STRUCTURES</b>			Grouped location of engine oil and fuel filters	✓	
Long Hydraulic Variable Gauge (VG) undercarriage		✓	Scheduled Oil Sampling (S•O•S) ports	✓	
Long undercarriage*		✓	Electronic Operation and Maintenance Manual	✓	
			Electric refueling pump with auto shutoff		✓
			<b>SAFETY AND SECURITY</b>		
			Cat One Key security system	✓	
			Lockable external tool/storage box	✓	
			Lockable door, fuel, and hydraulic tanks	✓	
			Service platform with anti-skid plate	✓	
			Rear and right-hand side cameras	✓	
			360° visibility		✓

\*Available 2021

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## Technical Specifications

Engine		
Engine Model	Cat C9.3B	
Engine Power – ISO 14396	232 kW	311 hp
Engine Power – ISO 9249	234 kW	314 hp
Bore	115 mm	4.5 in
Stroke	149 mm	5.9 in
Displacement	9.3 L	568 in <sup>3</sup>

Weights		
340 22 m (72' 2") UHD Front, Hydraulic Variable Gauge U/C, 600 mm Triple Grouser tracks, no attachment	54 700 kg	120,600 lb
340 2-piece Retrofit boom, R3.2 m (10' 6") Stick, Hydraulic Variable Gauge U/C, 600 mm Triple Grouser tracks*, no bucket included	54 100 kg	119,300 lb
340 Base Machine, Base boom only, Hydraulic Variable Gauge U/C, 600 mm Triple Grouser tracks	47 010 kg	103,660 lb
22 m (72' 2") UHD Front in cradle	8830 kg	19,460 lb
25 m (82' 0") UHD Front in cradle	9370 kg	20,660 lb
2-piece Retrofit boom with R3.2 m (10' 6") stick in cradle*	8610 kg	18,980 lb
1-piece Retrofit boom with R3.9 m (12' 10") stick in cradle*	6090 kg	13,430 lb
1-piece Retrofit boom with R3.2 m (10' 6") stick in cradle*	5920 kg	13,040 lb
1-piece Retrofit boom with R2.9 m (9' 2") stick in cradle*	5820 kg	12,830 lb
Counterweight	9 t	19,842 lb

\*2.27 m<sup>3</sup> (2.97 yd<sup>3</sup>) General Duty bucket

Hydraulic System		
Main System – Maximum Flow – Implement	558 L/min (279 x 2 pumps)	147 gal/min (73.5 x 2 pumps)
Maximum Pressure – Equipment – Implement	35 000 kPa	5,076 psi
Maximum Pressure – Equipment – Lift Mode	38 000 kPa	5,511 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	29 400 kPa	4,264 psi

Service Refill Capacities		
Fuel Tank Capacity	600 L	158.5 gal
Cooling System	40 L	10.5 gal
Engine Oil (with filter)	32 L	8.5 gal
Swing Drive	18 L	4.8 gal
Hydraulic System (including tank)	550 L	145.3 gal
Hydraulic Tank (including suction pipe)	161 L	42.5 gal
DEF Tank	80 L	21.1 gal

Sound	
External – ISO 6395:2008	105 dB(A)
Inside Cab – ISO 6396:2008	73 dB(A)

Drive		
Maximum Travel Speed	4.8 km/h	3.0 mph
Maximum Drawbar Pull	289 kN	64,857 lbf

Dimensions		
Cab Height with FOGS	3585 mm	11' 9"
Tail Swing Radius	3521 mm	11' 6"
Track Length	5770 mm	18' 11"
Ground Clearance	510 mm	1' 8"
Track Width – Retracted – 600 mm – without steps	3000 mm	9' 10"
Track Width – Extended – 600 mm – without steps	4000 mm	13' 1"
Transportation length – 25 m (82' 0") UHD	18.16 m	59' 7"
Transportation height – 2-piece Retrofit boom – R3.2 m (10' 6") stick*	3790 mm	12' 5"
Transportation length – 2-piece Retrofit boom – R3.2 m (10' 6") stick*	13.93 m	45' 8"

\*2.27 m<sup>3</sup> (2.97 yd<sup>3</sup>) General Duty bucket

	25 m (82' 0")		22 m (73' 2")	
	3300 kg	7,277 lb	3700 kg	8,159 lb
Max Weight at Stick Nose	25 m	82' 0"	22 m	72' 2"
Max Pin Height at Stick Nose	21.27 m	69' 9"	18.59 m	60' 11"
Max Working Pin Height at Stick Nose – 1/2	13.02 m	42' 9"	11.68 m	38' 4"
Max Working Reach at Stick Nose – 1/2	15.9 m	52' 2"	12.64 m	41' 6"
Max Height at Stick Nose in Max Reach Position	13.33 m	43' 9"	13.55 m	44' 5"

	R3.2 m (10' 6") DB stick	
	4500 kg	9,923 lb
Max Weight at Stick Nose	12.64 m	41' 6"
Max Pin Height at Stick Nose	2.31 m	7' 7"
Max Height at Stick Nose in Max Reach Position	12.2 m	40' 0"
Max Vertical Depth at Stick Nose	6.29 m	20' 8"
Max Reach at Ground Level	12.2 m	40' 0"
Bucket Digging Force (ISO)	210 kN	47,160 lbf
Stick Digging Force (ISO)	166 kN	37,300 lbf

	R3.9 m (12' 10") DB stick			
	Straight		Bent	
Max Weight at Stick Nose	4200 kg	9,261 lb		
Max Pin Height at Stick Nose	12.97 m	42' 7"		
Max Height at Stick Nose in Max Reach Position	2.31 m	7' 7"		
Max Reach at Stick Nose	11.32 m	37' 2"		
General Duty Bucket	2.27 m <sup>3</sup>	2.97 yd <sup>3</sup>	2.27 m <sup>3</sup>	2.97 yd <sup>3</sup>
Max Digging Depth	6.01 m	19' 8"	7.58 m	24' 10"
Max Reach at Ground Level	12.19 m	42' 3"	11.91 m	39' 0"
Max Loading Height	10.73 m	35' 2"	7.68 m	25' 2"
Minimum Loading Height	3.9 m	12' 9"	2.22 m	7' 3"
Bucket Digging Force (ISO)	210 kN	47,160 lbf	210 kN	47,160 lbf
Stick Digging Force (ISO)	144 kN	32,440 lbf	144 kN	32,440 lbf

\*2.27 m<sup>3</sup> (2.97 yd<sup>3</sup>) General Duty bucket



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